



64317722221

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 Serial No. 10/602,438
3 Filing Date Jun 23, 2003
4 Inventorship Goldstein
Applicant..... Microsoft Corporation
5 Attorney's Docket No. MS1-1467US
6 Title: Multidimensional Data Object Searching Using Bit Vector Indices

INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

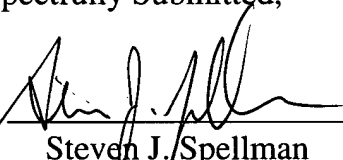
REMARKS

9 With regard to the above-identified application, the documents listed on the
10 enclosed Form 1449 are brought to the attention of the Examiner. A copy of each
11 document listed on the enclosed Form 1449 is provided. Consideration of the listed
12 documents is respectfully requested. Additionally, it is requested that the
13 Examiner return a copy of the attached Form 1449, marked as being considered
and initialed by the Examiner, to the undersigned with the next official
communication.

14 No representation is made that any of the documents listed in the enclosed Form
15 1449 constitute prior art or are in any way material to the subject matter of the
above-identified application

Respectfully Submitted,

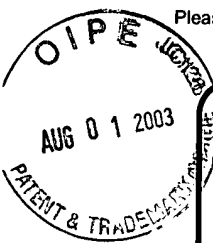
18 Date: 8/1/2003

19 By: 
Steven J. Spellman
20 Reg. No. 45,124

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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/602,438
				Filing Date	Jun 23, 2003
				First Named Inventor	Goldstein
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	MS1-1467US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	/	KATAYAMA, NORIO; SATOH, SHIN'ICHI; "The SR-Tree: An Index Structure for High-Dimensional nearest Neighbor Queries" April 1997; ACM Arizona, USA; pages 369-380	
	/	GAEDE, VOLKER; GUNTHER, OLIVER; "Multidimensional Access Methods"; ACM Computing Surveys, Vol. 30, No. 2, June 1998; pages 170-231	
	/	GOLDSTEIN, JOHNATHAN; RAMAKRISHNAN, RAGHU; "Contrast Plots and P-Shere Trees: Space vs. Time in Nearest Neighbor Searches"; VLDB Conference, Cairo, Egypt, 2000; 12 pages	
	/	BERCHTOLD, STEFAN; KEIM, DANIEL A.; KRIEGEL, HANS-PETER; "The X-tree: An Index for High-Dimensional Data"; VLDB Conference, Mumbai, India, 1996; pages 28-39	
	/	HJALTASON, GISLI R.; SAMET, HANAN; "Ranking in Spatial Databases"; University of Maryland, pages 83-95	
	/	FUNKHOUSER, THOMAS; MIN, PATRICK; KAZHDAN, MICHAEL; CHEN, JOYCE; HALDERMAN, ALEX; DOBKIN, DAVID; JACOBS, DAVID; "A Search Engine for 3D Models"; ACM Transactions on Graphics, Vol V., No. N; 28 Pages; 2002	
	/	KRIEGEL, HANS-PETER; POTKE, MARCO; SEIDL, THOMAS; "Object-Relational Indexing for General Interval Relationships"; 21 pages; Germany, 2001	
	/	KAMEL, IBRAHIM; FALOUTSOS, CHRISTOS; "Hilbert R-tree: An Improved R-tree Using Fractals"; VLDB Conference; Pages 500 - 509; Santiago, Chile; 1994	
	/	HELLERSTEIN, JOSEPH M.; NAUGHTON, JEFFREY F.; PFEIFFER, AVI; "Generalized Search Trees for Database Systems"; VLDB Conference; Pages 562 - 573; Zurich, Switzerland; 1995	
	/	O'NEIL, PATRICK; QUASS, DALLAN; "Improved Query Performance with Variant Indexes"; SIGMOD 1997; Pages 38 - 49; Arizona	
	/	GUTTMAN, ANTONIN; "R-trees: A Dynamic Index Structure for Spatial Searching" ACM; Pages 47-57; 1984	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	MS1-1467US

NON PATENT LITERATURE DOCUMENTS			
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	✓	WEBER, ROGER; SCHEK, HANS-J; BLOTT, STEPHEN; "A Quantitative Analysis and Performance Study for Similarity-Search Methods in High-Dimensional Spaces"; VLDB Conference; Pages 194-205; 1998; New York, USA	
	✓	BURGES, CHRISTOPHER J.C.; PLATT, JOHN C.; JANA, SOUMYA; "Extracting Noise-Robust Features from Audio Data" IEEE; Pages 1-1021 to 1-1024; 2002	
	✓	BEYER, KEVIN; GOLDSTEIN, JOHNATHAN; RAMAKRISHNAN, RAGHU; SHAFT, URI; "When is 'Nearest Neighbor' Meaningful?"; 19 Pages; Madison, Wisconsin, USA	
	✓	RUI, YONG; HUANG, THOMAS S.; and CHANG, SHIH-FU; "Image Retrieval: current Techniques, Promising Directions and Open Issues" Journal of Visual Communications and Image Representation, Vol. 10, No. 4, 1999; 17 pages	
		PAGEL, BERND-UWE; KORN, FLIP; and FALOUTSOS, CHRISTOS; "Deflating the Dimensionality Curse Using Multiple Fractal Dimensions"; pages 1-10, ICDE 2000	
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		O'NEIL, PATRICK; "Model 204 Architecture and Performance"; High Performance Transaction Systems Workshop; September 1987; pages 40-59	

Examiner Signature	Date Considered
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